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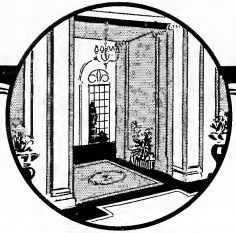

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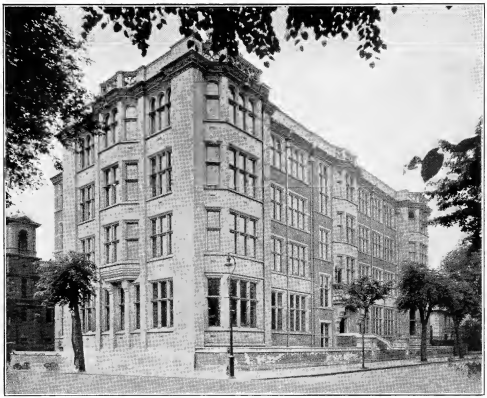

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Bronzes by A. BERTRAM PEGRUM, ESQ.

THE CITY OF CARDIFF

CARDIFF, before the development of the Welsh coal industry, was a very small place of ancient origin, and at the beginning of the nineteenth century consisted of little more than a thousand inhabitants. To-day the population has reached nearly a quarter of a million, whilst, if we include a radius of fifty miles, the population totals about four millions.

In Roman days Cardiff was known as *Castra Didii* (the Camp of Aulius Didius), although called by the natives *Caer Didii*, which closely resembles the name it bears to-day, as it is still pronounced Caerdydd by patriotic Welshmen.

The history of Cardiff has largely centred around the history of its Castle. Mr. Grant, in his work on Cardiff Castle, says :—

> "Cardiff Castle is a unique historical object lesson. From the first century when the Romans established their camp, the site has been in constant occupation, and on entering from the gateway in Castle Street works may be seen covering a period of nearly twenty centuries. The Roman, the Norman, and those of the mediæval age, as well as the builder of each successive century, have all left their traces."

During the past 60 years the late Lord Bute and the present Marquess have carried out restorations, extensions and embellishments on a most elaborate scale with the result that the palatial residence of the Butes to-day repays the study of the artist as well as the archæologist.

In addition to being the premier coal-exporting port of the world, Cardiff has a number of important industries, chief among which are iron mining and smelting and ship repairing.

The largest landowner in Cardiff is the Marquis of Bute, whose family, with great foresight, created a magnificent system of docks. Some idea of the enormous volume of merchandise which passes in and out of the port may be gained from the fact that Cardiff Docks cover 165 acres of water.

Cardiff can boast many fine buildings, chief among which are the Castle, Llandaff Cathedral, the City Hall and Law Courts, the National Museum of Wales, the University College of South Wales and Monmouthshire, the Glamorgan County Hall, the Technical College, St. John's Church, the new Fire Station, the Public Library and the Cardiff Royal Infirmary.

Until the year 1861 the Town Hall of Cardiff stood in the middle of High Street; a more modern building was then erected in St. Mary Street, on the site now occupied by the Co-operative Wholesale Society's building; this gave way to the present City Hall, which forms one of an impressive group of buildings in Cathays Park, and which was erected by Messrs. E. Turner & Sons, Ltd., in 1904. It is generally conceded that the several public buildings in Cathays Park form one of the finest groups of modern architecture in the Kingdom.

The Law Courts, also erected by Messrs. Turner, continues the architectural treatment of the City Hall, but on somewhat severer lines. Adjacent to the City Hall is the National Museum of Wales, the Southern portion of which was opened by the King in 1927.

Facing the centre of Cathays Park are the buildings of the University College of South Wales and Monmouthshire, erected by Messrs. Turner, and officially opened in 1909, an adjunct, the Viriamn Jones Laboratory, being formally opened in 1912 by His Majesty King George V.

The Glamorgan County Hall, erected by Messrs. Turner, is a worthy companion to the other great civic buildings of Cardiff, though differing from them architecturally. For sheer beauty of design it stands in the front rank of modern buildings.

Beyond the County Hall stands the Technical College, also erected by Messrs. Turner, the first portion of which was completed in 1916 and the whole in 1927. The College takes the form of a hollow rectangle, and the main hall is a fine example of the beauty which can be achieved by a skilful designer.

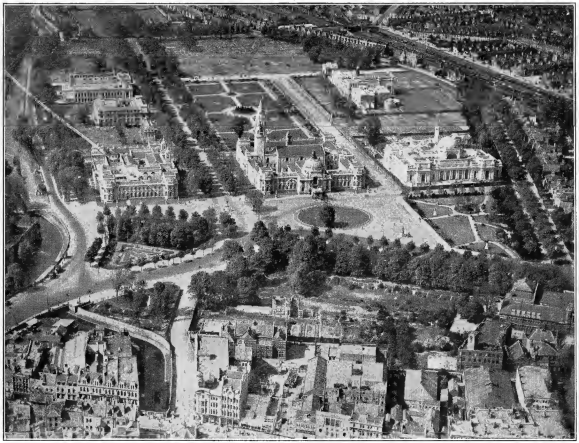
St. John's is the oldest church in Cardiff, having been built in the last half of the fifteenth century. Parts of the interior are of still earlier date, going back probably to the thirteenth century. The church contains some interesting Jacobean carving and has also a Jacobean houseling-stool. The tower is a particularly fine piece of work.

The new Fire Station, erected by Messrs. Turner, was completed in 1917. It is a fine example of artistic architectural treatment of an essential public building.

The Central Public Library is yet another of the great buildings erected by Messrs. Turner, and stands near to St. John's Church. An extension of the building was opened by King Edward VII, then Prince of Wales, in 1896.

In Newport Road is situated the Cardiff Royal Infirmary, formerly known as the King Edward VII Hospital, and consisting of a large number of buildings, many of which have been built at different times by Messrs. Turner.

The erection of the Welsh National War Memorial was entrusted to Messrs. Turner, and was unveiled by H.R.H. the Prince of Wales in June, 1928. It stands on a central plot of grass in



CATHAYS PARK FROM THE AIR

the Alexandra Gardens, and consists of a fountain within a circular colonnade, to which are added three porches. It is constructed of Portland stone, and bears the inscription "I FEIBION CYMRU A'U RHODDES EU HUNAIN YN RHYFEL 1914-1918" ("To the sons of Wales who gave themselves in the war of 1914-1918"), and also an inscription in English, reading, "Remember here in Peace those who in Tumult of War by Sea, on Land, in Air, for us and for our Victory Endured unto Death."

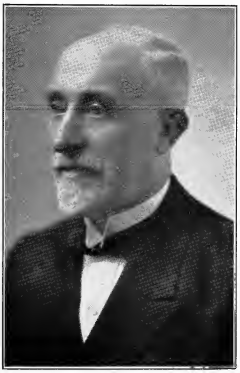
Each of the three porches bears one of the following inscriptions in Welsh:
"DROS FOR FE DROES I FARW" ("Over the sea went he to die"), for the sailor;
"GER Y FFOS YN GORFFWYSO" ("Nigh the trench resting"), for the soldier;
"YN Y NWYFRE YN HOFRAN" ("Grappling in the central blue"), for the airman.

Opposite to each inscription is a corresponding figure of a warrior in bronze 6 ft. 6 ins. high, and on the summit of the fountain is another bronze figure of a messenger of Victory 7 ft. high.

Cardiff has led the way in modern building by combining architectural beauty with utility, and the many new premises which have been erected in recent years show a striking advance over the older buildings, and are worthy of the great City in which they stand.

A Short History of the Firm of E. Turner & Sons Ltd.

MESSRS. E. TURNER & SONS LIMITED started business forty-three years ago and at first in quite a small way, but the firm has developed so rapidly that it has become one of the largest in Wales and the West of England, and now undertakes, as indicated by our illustrations, contracts of an exceptionally high order, both structurally and architecturally.



Mr. JAMES E. TURNER

In the year 1885 Mr. Ephraim Turner and his two sons, Mr. James E. Turner and Mr. W. H. Turner, began to trade together as E. Turner & Sons, and continued to do so until 1896, when Mr. E. Turner retired. During this time several important works were executed, notably the Head Post Office, Cardiff, and Central Public Library, Cardiff. The business was continued under the old name by Mr. J. E. Turner and Mr. W. H. Turner until 1912, when it was formed into a private limited liability company under the style of E. Turner & Sons Limited, Cardiff.

In January, 1924, Mr. W. H. Turner died, and soon after there joined the Board of Directors Mr. T. H. Huxley Turner, son of Mr. Jas. E. Turner, and Mr. Harry Turner, son of the late Mr. W. H. Turner.

MR. T. H. HUXLEY TURNER

Mr. T. H. Huxley Turner, son of Mr. J. E. Turner, born 1898, educated at Mill Hill School, joined the 3rd Gordon Highlanders in January, 1915, and served in France with the 2nd Battalion, The Gordon Highlanders, attaining the rank of Major. On demobilisation, entered the University College of South Wales and Monmouthshire, and obtained the degree of Bachelor of Science in Civil Engineering. Joined the firm of E. Turner & Sons, Ltd., in 1921.

The Firm desires to pay a tribute to the hearty co-operation of those who have served it during the years. It has always been its principle to promote to the higher positions those who have been in its employ from, and including, their apprenticeship, and seldom has the privilege been misplaced. It therefore takes this opportunity of saying how much it appreciates the faithful services of all its employees, without whose unselfish co-operation the results described in this book would have been impossible of attainment.

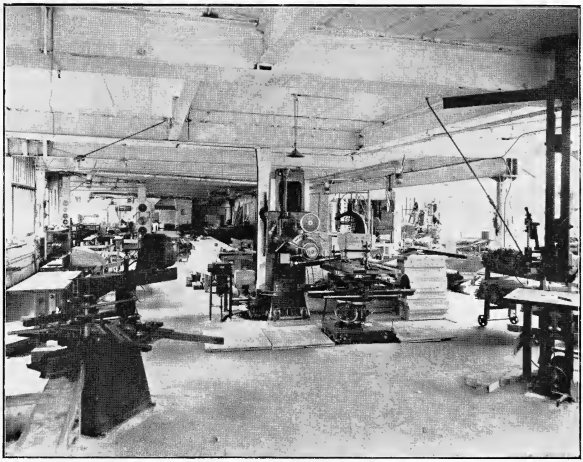
Mr. Jas. E. Turner was born at Merthyr Tydfil in the year 1861 and was taken to Cardiff by his parents at the age of nine. His education was received at the National Schools, and later (after commencing his apprenticeship as a Banker Mason) at the Cardiff Science and Art Schools. In 1881 he was awarded a Scholarship at these Schools of £50 per annum tenable for three years, and free admission to any of the State-aided Colleges. The Royal College of Science, Dublin, was selected as offering at that time the best facilities for an Engineering training, and the course was there pursued for three years with much distinction, obtaining the Associateship of the College and the Diploma in the Faculty of Engineering in the year 1884. For two years after returning to Cardiff he taught Building and Machine Construction and their allied subjects, under the Science and Art Department, until the claims of the business became too exacting. In 1914 he was made a Magistrate for the County of Glamorgan. He served on the Cardiff Board of Guardians for many years and is at the present time a co-opted member of the Cardiff Assessment Committee, its Vice-Chairman, and is a Land Tax and Income Tax Commissioner. He was a Deputy-Chairman of the Cardiff War Tribunal during the whole of the time they existed. He has filled all the offices of the Local and Regional Federations of Building Trade Employers, represented the South Wales Federation for many years on the National Conciliation Board, the National Joint Industrial Council, and was the first Chairman of the South Wales Branch of the Institute of Builders, of which he is a Fellow. He is also a member of the Technical College Committee, Chairman of the Architectural Advisory Committee of the Cardiff Technical College and of the Building Advisory Committee.

MR. HARRY TURNER

Mr. Harry Turner, born in Cardiff, 1897, educated at Mill Hill School, 1908-1915, saw service in the Great War in France, Egypt and Palestine during 1915-1918 as a Lieutenant in the Royal Field Artillery and awarded the Military Cross. Upon return from the Service, entered the University of Wales, and took a Diploma in Civil Engineering. Joined the firm of E. Turner & Sons, Ltd., in 1921.

The Registered Offices of the Company are situated at Penarth Road, Cardiff, from which all the departments of the firm's activities are controlled.

On this site are the Blacksmiths, Engineers, Plumbers, Electrical and Wheelwright Shops and Stores for materials, also the Joinery Works, where there are extensive storage sheds and racks well filled with all sizes of dry joinery timber and the latest type of Timber Seasoning Kilns are in operation.



THE MACHINE SHOP

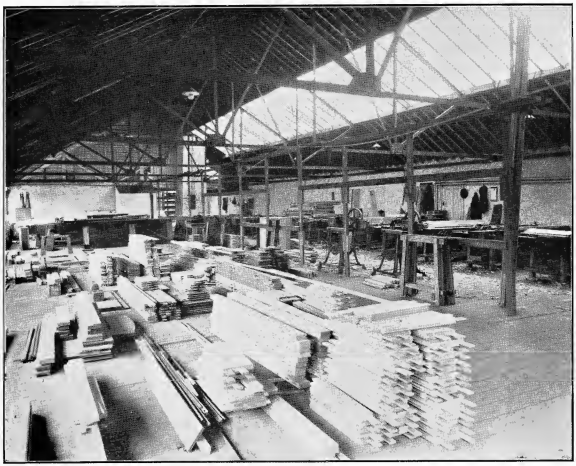
In the neighbourhood also the firm has erected extensive premises for the storage of all kinds of building plant when not required on their contracts.

The Machine Shop contains a very complete range of the most modern and efficient Joinery Machines obtainable, each machine being driven by a separate electric motor. The machines are grouped to aid as much as possible the progress of the work and an electrically-driven pneumatic chip exhaust system forms part of the plant.

Each machine, too, has a full equipment of special tools and cutters to ensure, as far as possible, well-finished, accurate and economical work from this department, which is a very important one.

The Joiners' Shop is spacious, airy, splendidly lit, well heated and has a thorough equipment. That extremely important subject, "glueing," has received minute attention. For this operation a special section has been formed with a heating scheme which enables a suitable temperature for "glueing" to be maintained in all weathers.

Polishing and Painting Shops adjoin the Joiners' Shop at the same level, thereby avoiding all unnecessary handling.

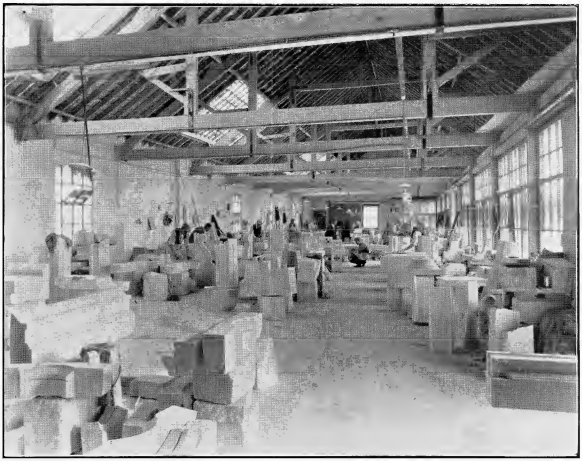


PART OF THE JOINERY SHOP

THE MASONRY WORKS

The Masonry Works are situated at Ninian Park Road, where every variety of stone is dressed for the firm's contract work and for both local and distant trade demands. For many years dressed stone in large quantities has been sent to many parts of England and Wales as far North as Newcastle, and East as Colchester.

These works are very conveniently situated within easy distance of the centre of the City, and with ample railway siding accommodation to the Great Western Railway.



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Every facility is provided here for the conversion of rough block stone into all the requirements of the trade with speed and minimum cost.

The Ground Floor is replete with the most efficient machinery for dealing with all classes of stone, all of which is electrically driven. An overhead gantry traverses the whole length of the works, and will transfer blocks up to 12 tons to the several rectilineal frame saws, diamond saws, moulding machines and for loading into truck or lorries. It is supplemented by a 5-ton electric Derrick Crane.

The Masons' Shop is on the First Floor, and is one of the finest in the kingdom. Here the stones are shaped, and fashioned as may be required; every stone is shewn for fixing purposes on a key plan which is delivered to the site of the building, and shewing clearly its position thereon, with comparative ease.

The Masons' Shops are electrically lighted, lofty, well-ventilated, and afford accommodation for 100 banker masons, and every other facility exists for executing large buildings in which dressed stone may abound with accuracy and promptitude.

CARDIFF CITY HALL

THE CITY HALL AND LAW COURTS
CARDIFF

COUNCIL CHAMBER, CARDIFF CITY HALL

THESE buildings were erected in 1904 to the designs of Messrs. Lanchester Stewart & Rickards. They were commenced in 1900. In 1901 Mr. Stewart died.

The principal front is a composition of three main masses, the central one being occupied by the main entrance which is used on all ceremonial occasions. Above the Porch is the main window of the Council Chamber over which apartment is a lead covered dome surmounted by the Welsh Dragon cast in lead and modelled by Mr. H. C. Fehr.

The group of Sculpture on the Western Pavilion representing Science and Education is by Mr. D. McGill, the Pavilions on each side of the Avenue are by Mr. Paul Montford, representing Commerce and Industry and Music and Poetry, while on the Eastern Pavilion is a representation of Welsh Unity and Patriotism by Mr. Henry Poole.

The internal decorative work of the City Hall is equally striking. On the first floor is the Marble Hall containing Monolithic Columns in Siena Marble and forming an Approach to the Assembly Hall.

The Assembly Hall is a beautiful room, having a richly treated segmental ceiling pierced by windows and highly decorated walls.

The Council Chamber is also a fine Chamber with Monolithic Marble Columns carrying the Public Gallery and all walls panelled in Austrian Wainscot Oak inlaid with holly. The magnificent furniture was also designed by the Architects to accord with the general character of the building, and the whole of the work including the furniture was executed by Messrs. E. Turner & Sons.

THE LAW COURTS, CARDIFF.

The Architectural treatment of the Law Courts is in perfect harmony with the City Hall but on somewhat severer lines. The South Front continues the treatment of that of the City Hall but without the central porch. The Eastern façade (to King Edward VII Avenue) resembles the Western façade of the City Hall in its blank end pavilions but contains as its central feature the main entrance with a fine double loggia surmounted by two beautifully designed cupolas.

The Western façade towards the Castle grounds is also treated with great ability.

Internally the Assize Court, Assembly Hall and Central Lobby are fittingly treated, more severely, but no less beautifully than the interior of the City Hall.

THE LAW COURTS, CATHAYS PARK, CARDIFF

CARDIFF UWCC LIBRARY

UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE
CARDIFF

THESE buildings are situated in the centre of Cathays Park on the East side, and were opened by the President, the Right Hon. The Earl of Plymouth, in October, 1909.

They were designed by Mr. W. D. Caröe, F.S.A., London.

The Masonry is in Portland Stone, as all the buildings in this Park must be by resolution of the City Council.

UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE
CARDIFF

THE LIBRARY

THIS Library, the gift of the Drapers' Company, is in the form of a great galleried hall, and is one of the principal rooms in this portion of the building.

GLAMORGAN COUNTY HALL
CATHAYS PARK, CARDIFF

THE competition for this building, held in 1908, gave an opportunity seldom offered in this country to plan a building in an ample park setting isolated from any other.

These surroundings and the purpose of the building naturally suggested a monumental character on a scale usually found only in structures of the kind in America, where expense appears to be a secondary consideration. The governing feature of the scheme is the position of the Council suite of rooms on the ground floor, which were planned on this level to admit of easy access for infirm members of the Council; further, it provided complete isolation of the Council suite from the working offices and, incidentally, allowed a very compact building to be planned, occupying as little of the site as possible, it being a stipulation in the Conditions of Competition that the rear portion of the site was to be preserved for the future County Constabulary Headquarters. The main entrance front consists of five bays of coupled columns flanked on either side by pavilions, adjoining which are gateways leading to the side entrances and the rear portion of the site. Axial with the pavilions are sculpture groups by the late Mr. Albert Hodge, symbolical of Navigation and Mining, these are placed on podiums which enclose the stylobate extending the whole width of the front.

The side elevations have been treated simply as it was thought that in the future with the increasing work of the County Council it would perhaps be necessary to have extensions on the land adjoining either side. The rear elevation looking on to the future County Constabulary Headquarters court is flanked by two arched gateways and at the Committee Room floor level has a projecting balcony 5 ft. wide. The enrichment to the central window of this façade is by the late Mr. Arthur Broadbent. The entrance hall, stairs, first floor hall and the ante and voting lobbies are treated in a simple manner in Portland stone.

The Council Chamber, which is the principal apartment in the building, is faced with Portland stone; it has a stone screen behind the Chairman's dais connecting the two voting lobbies, arranged with this screen are two pedestals supporting figures by the late Mr. Albert Hodge, symbolical of a Druid and a Bard, while the tympanum over the entrance doors to the Council Chamber are decorated with ornament in which the tools of the local industries are introduced. The Council Chamber is lighted by seven semi-circular windows immediately under the springing of the plain plaster dome, which was designed to receive painted decoration at a future date. The seating and furniture of the Chamber is of English oak inlaid with burr oak; the upholstery being of oak tanned pigskin. The carving of the oak furniture is by Mr. George Alexander.

The Architects were Messrs. E. Vincent Harris & Moodie, London.

GLAMORGAN COUNTY HALL

THE TECHNICAL COLLEGE, CATHAYS PARK, CARDIFF

THIS building was opened by the Lord Mayor in 1916 and has proved itself admirably adapted to meet the needs of more than five thousand students that frequent it.

The Architects, Messrs. Ivor Jones & Percy Thomas, of Cardiff, obtained first place in an open competition.

SUB-CONTRACTORS AND MERCHANTS.

Penarth Brickworks Co. (1920) Ltd.; Beaufort Sanitary Pipe & Brick Co., Ltd.; Perkins & Seward, Ltd.; F. Bowles & Sons; Browning, Jones & Morris, Ltd.; Robinson, David & Co., Ltd.; Williams & Watson, Ltd.; The Walpumur Co., Ltd.; M. A. K. Fraser & Co.; The Marble Mosaic Co. Ltd.; G. N. Haden & Sons, Ltd.

ROYAL INFIRMARY, CARDIFF

THE portion illustrated is a small part of many buildings erected by us on this site to the designs of the late Colonel E. M. Bruce Vaughan, F.R.I.B.A., Cardiff, and shews the Administrative block and a part of the Elize Nixon Ward.

At the rear of the above we erected in 1927 the Research Building to the designs of E. Stanley Hall, Esq., F.R.I.B.A., London, which is a five storey building and fitted with every modern appliance for research work. It is the gift of the Board of Trustees of the Rockfeller Foundation.

Stock Bricks supplied by Messrs. Penarth Brick Works Co. (1920) Ltd.

Heating by Messrs. J. G. Proger & Sons, Ltd., Cardiff; Messrs. G. N. Haden & Sons, Ltd., Trowbridge; and Messrs. Hampton's Heating Co., Ltd.

Water paint by Messrs Walpamur Co. Ltd.

GENERAL POST OFFICE, CARDIFF

THIS building was erected in 1896 to the designs of Henry Tanner, Esq., F.R.I.B.A., afterward Sir Henry Tanner, and contains the usual offices for a large distributing centre, as Cardiff is.

The external Elevation is in Portland Stone.

The Entrances are executed in Aberdeen, Bessbrook and Shap Granite.

The roofs are covered with Westmoreland slates in diminishing courses.

GENERAL POST OFFICE, CARDIFF

MEDICAL COLLEGE, NEWPORT ROAD, CARDIFF

THIS Block was erected in 1918 to the designs of the late Colonel E. M. Bruce Vaughan, F.R.I.B.A. and its character is almost precisely similar to that of the Public Health Department described on the next page.

These two blocks of buildings form part only of a very comprehensive scheme exceeding several times in magnitude the blocks already built and to adjoin them. The Newport Road façade, when completed, will measure 368 feet from East to West, the Physiological Block already built being 116 feet long by 47 feet wide exclusive of the Hall forming Tower which will be the central feature of this elevation.

The Lantern over Tower when completed will rise to a height of 150 feet above the ground.

MEDICAL COLLEGE, NEWPORT ROAD, CARDIFF
PHYSIOLOGICAL BLOCK

MEDICAL COLLEGE, THE PARADE, CARDIFF

THE Public Health Department and School of Preventive Medicine, erected in 1926, being a section of the Welsh National School of Medicine, is the second block erected and cost about £53,000. The design is in the 14th-century English Gothic, with a slight influence of French Renaissance of the same period.

This block is erected on the north-east corner of the island site of the school, with the main front to the Parade, the overall length being 135 feet and the height 63 feet from the pavement.

Fire resisting materials being the first aim in construction, the floors throughout are of reinforced concrete and are independent of the partition walls.

The two fronts are faced with Corsham Down bathstone, and are relieved with hand made, red sand faced brickwork.

The Sanitary Engineers were Messrs. J. G. Proger & Sons, Ltd., Cardiff.

Heating Engineers, Messrs. Hampton's Heating Co. Ltd.

Cement supplied by the Aberthaw & Bristol Channel Portland Cement Co. Ltd.

Victorite through the agency of Messrs. Perkins & Seward, Ltd., Cardiff.

The sand by Messrs. F. Bowles & Sons, Cardiff.

Windows by Messrs. Williams & Williams, Ltd., Chester.

Glass by Messrs. Bristow Wadley & Co. Ltd., Cardiff.

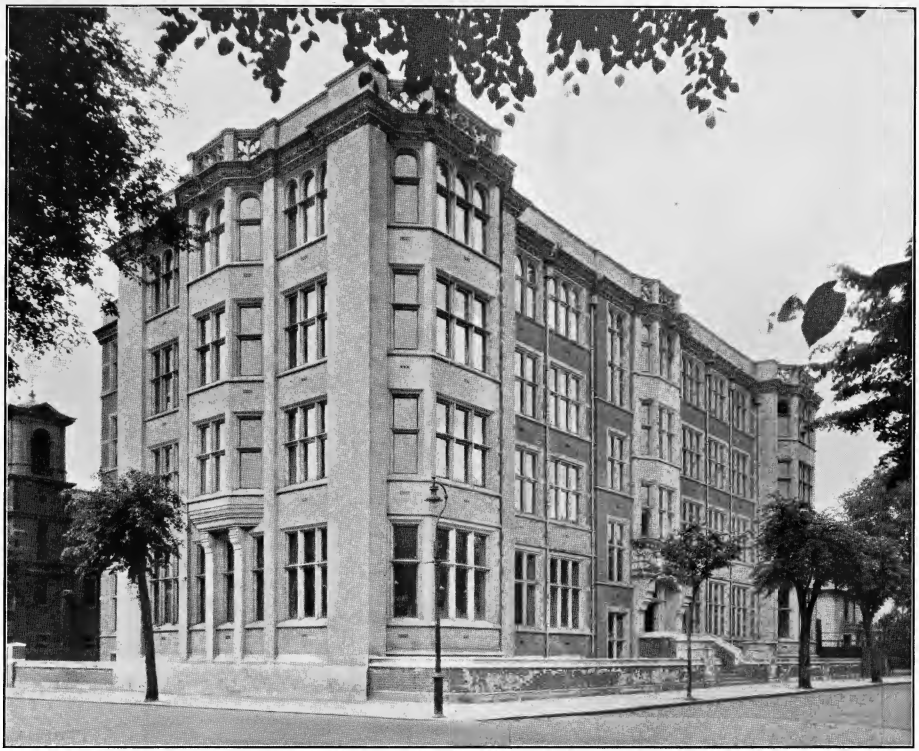
Mosaic floors and stair cases, The Marble Mosaic Co. Ltd., Bristol.

The Architect is J. B. Fletcher, Esq., Cardiff.

There is accommodation for 230 students in the following sections :—

Basement	..	Museum, etc.
Ground floor	..	Public Health.
First floor	..	Chemical Bacteriology.
Second floor	..	Pathological.
Third floor	..	Tuberculosis.

Other Sub-Contractors : D. Morgan & Sons ; Perkins & Seward, Ltd. ; Browning, Jones & Morris, Ltd. ; Robinson, David & Co., Ltd. ; Williams & Watson, Ltd.



MEDICAL COLLEGE, THE PARADE, CARDIFF

"THE CAPITOL" CINEMA AND MESSRS. COX'S PREMISES
CARDIFF

THIS building was erected in 1920 for Messrs. Tilney's Kinemas Ltd., Queen Street, with an area of 2,400 square yards, and has seating accommodation for more than three thousand persons and standing accommodation for fifteen hundred.

THE BASEMENT has a Café 82 ft. by 50 ft., with direct access by staircase from street. Servery with lifts leading up to kitchen, Storeroom for Servery, Cloakrooms each with lavatory accommodation for both male and female. Secondary staircase leading to subway to Main Entrance. Subway from Main Entrance to front of Cinema for exit purposes, Heating Chamber, Fuel Stores, Ventilating Room, Room for Electrical Plant and Dynamo.

THE GROUND FLOOR has Main Entrance Hall 72 ft. by 62 ft., with pay box on each side, main staircase leading to Lounge Floor, main staircase to Café Floor and exit staircase from back of Gallery and front passenger lift service to floors of Cinema, and Cafés above. Two inner Vestibules before entering Cinema; Auditorium to Cinema 138 ft. by 116 ft. with circular seating arranged on tiers with sloping gangways, and ample space for standing at side and front of gangways. Orchestra Enclosure with stage of ample dimensions, Band Room, ample sanitary accommodation for both male and female, arranged in suitable positions at side of Stage.

At each side of Stage are arranged four floors of Rooms on which are the following accommodation provided, Library, Room for Bandmaster, Room for private exhibition of films, and large Storeroom, on the opposite side are rooms for cleaners and staff.

THE FIRST FLOOR has a Café 74 ft. by 50 ft. with large Servery with lifts leading up to kitchen and raised platform for Orchestra. Lounge, Café-Manager's Office, lavatory accommodation for both male and female, Staff-Rooms, Cloakrooms, passenger lift serving to all floors and two staircases to serve back of Gallery.

THE GALLERY FLOOR AND 2ND FLOOR have a Café 74 ft. by 50 ft. with large servery, with service lift to kitchen. Lavatory accommodation, secondary stiarcase direct with street, cloakrooms and lavatories.

GALLERY—138 ft. by 50 ft., with sanitary conveniences both sides for both male and female, with two secondary staircases leading to Edward's Place. Leading off the Gallery on the one side is the Organ, and on the other side is space for extra accommodation for special occasions.

ON THE THIRD FLOOR are the Kitchen with service lift to all floors, Cold Storage, Bakery, Kitchen Staff Room, potato cleaning room, Storerooms, Room for Electric Plant, Waitress' Room, Waitress' Retiring Room, cloakrooms and sanitary conveniences for all the staff.

There are also five commodious Offices for Clerical Staff including Waiting Room and Telephone and Enquiry. Two staircases leading to Ground Floor; passenger lift to all floors.

The whole of these buildings were erected in re-inforced cement concrete, including all floors, piers, walls, beams, partitions and staircases, the front elevation of building being faced with Blue Forest Stone to Ground Floor and Monks' Park Bathstone above.

The floors of Main Entrance Hall, Staircases, Lavatories, Lounge, and Kitchen Floor and all passages are laid with Terrazzo.

The floor of Café in Basement with Oak Blocks. All other floors are finished in plain cement work covered with felt underlining with linoleum or carpet coverings.

The gangways and standing spaces to Cinema are finished in jointless flooring.

The walls to Main Entrance are panelled in enamelled slate with plaster finish in imitation marble and walls above plastered and formed into panels and suitably decorated.

The walls of Café have Austrian Oak panelling 5 ft. high with walls above plastered and formed into panels and suitably decorated.

The walls of the whole of the Kitchen Block and all Cloakrooms and conveniences are faced from floor to ceiling with white glazed tiles.

THE "CAPITOL" CINEMA
INTERIOR VIEW

The balustrading to all staircases is in wrought iron with Bronze handrail and suitable Bronze decorations.
The Canopy and balustrade to Balcony facing Queen Street is in wrought iron suitably decorated.
All windows are in wrought iron with sashes to open and fitted with Bronze opening gear and fittings.
The Enclosures to Lounge and Orchestra in Cinema are in glazed ware.
The ceilings of Cafes are suitably formed into panels in plaster with enriched moulds, suitably decorated and painted.
The circular ceiling of Cinema is supported on a steel girder, and is constructed of steel and wood with Fibrous Plaster suitably moulded, decorated and painted.
All joinery for internal doors to Cinema is in Mahogany french-polished with bevelled plate glass panels, and hung with gun metal ball bearing hinges with suitable door fittings.
All external doors to Cinema are in Red Deal painted and hung with gun metal ball bearings and fitted with gun metal panic bolts.
The building is heated by high pressure system with pipes and radiators, and the ventilation is carried out by means of fresh air being driven into the building by means of an electric driven fan placed in Ventilating Room in Basement and connected with ducts, and extracted in the roof over the Auditorium.
The building is lighted by electricity with specially designed fittings.
The Architects were Messrs. Phillips & Wride, Cardiff, but soon after the work was commenced Mr. Phillips died and Mr. J. B. Wride of Cardiff was responsible for the considerably extended plans.

MESSRS. COX (CARDIFF) LTD.

THESE premises were erected in 1920 for Messrs. Cox (Cardiff) Ltd., on a site situated in Queen Street, Cardiff, with an area of 900 square yards, and has the following accommodation on five floors.

Basement. Billiard Room 62 ft. by 24 ft., with separate staircase leading from Queen Street, in addition to the Main Staircase. Main Hall and Staircase with passenger lift to all floors. Lavatory accommodation, Central Heating Chamber, Fuel Stores and Four large Storerooms. Passages of ample width for access to stores. Secondary fireproof staircase from Basement to Fifth Floor with access to each floor. Goods lift to all floors above.

Ground Floor. Shop—65 ft. by 24 ft., Hall and Main Staircase and secondary staircases. Office, Coffee Room—82 ft. by 18 ft., Servery, Shop Stores.

First Floor. Tea Room 24 ft. by 116 ft. and 29 ft. by 18 ft., with Servery attached, Main Hall and Staircase, Lounge, Luncheon Room 85 ft. by 40 ft., with recess for Orchestra, Servery and Lavatory accommodation.

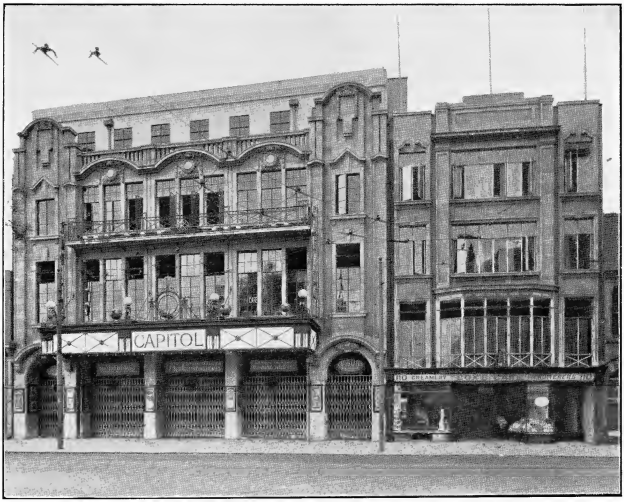
Second Floor. Tea Rooms, Cloak Room, Servery, Main Hall and Staircase, Lounge, Dance Hall 85 ft. by 40 ft., with raised Gallery for visitors and Cloakroom under, recess for Orchestra. Servery, Lavatory Accommodation, Staircase direct from Queen Street for Special functions and Secondary Staircase at rear leading to all floors.

Third Floor. Dance Room, Main Hall and Staircase, Office for Kitchen, Linen Room, Kitchen and Bakery, Scullery, Storerooms.

Fourth Floor. Laundry, Staff Room, Cold water storage in reinforced concrete tank, Hot Water storage tank in copper. Remainder of space on this floor is a flat roof.

The whole of the buildings, including walls, floors and portion of staircases are constructed of reinforced concrete. The front facing Queen Street is faced with Monks' Park Bathstone with Shop Front in Teak.
All windows are steel frames and sashes with bronze opening gear and fittings.
All walls along side passage are faced from ground level to Third Floor with white Stourbridge Glazed tiles.
The walls of all Lavatories are faced with white glazed tiles.

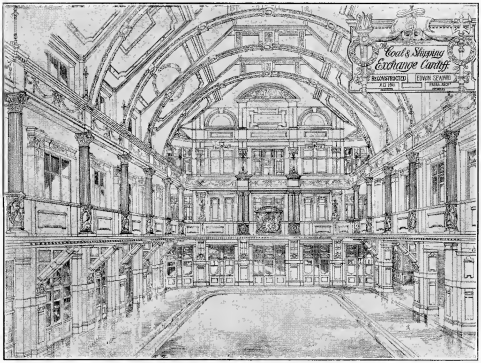
The floors of Shop, Lounge, and all Lavatories are laid with Terrazzo.
The floors of Tea Rooms are covered with Teak Blocks.
The floors of Dance Hall and Dance Room are constructed in a simple form of Austrian Oak, Battens fixed to wood joists and supported on steel, specially designed springs fastened to joists and resting on felt laid on the concrete floor.



"THE CAPITOL" CINEMA AND COX'S CAFE

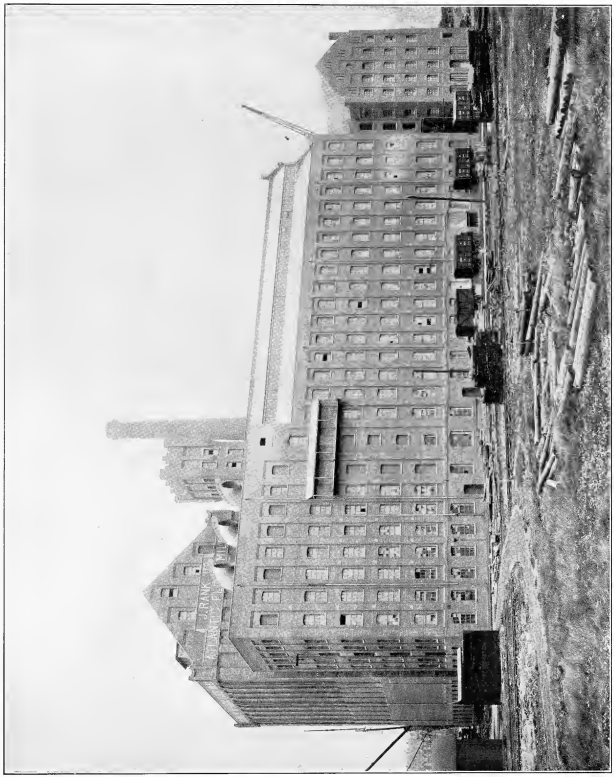
The walls of Tea Rooms, Lounge and Staircases are covered to a height of 7 ft. with Austrian Oak panelling.
The walls of Dance Room, to a height of 3 ft. 6 ins., are covered with Mahogany panelled dado.
Walls generally are plastered and suitably panelled in plaster work and painted.
The whole of the buildings are central heated with pipes and radiators, all pipes being kept out of view as far as possible.
The whole of the buildings are lighted by Electricity direct from the City Main.
The Architects were Messrs. Phillips & Wride, Cardiff, but soon after the work was commenced Mr. Phillips died and Mr. J. B. Wride of Cardiff was responsible for the considerably extended plans.
Sub-Contractors: Hampton's Heating Co., Ltd.; Aberthaw & Bristol Channel Portland Cement Co., Ltd.; D. Morgan & Sons; The Marble Mosaic Co., Ltd.; Browning, Jones & Morris, Ltd.; The Walpamur Co., Ltd.; Bristow, Wadley & Co., Ltd.

THE COAL AND SHIPPING EXCHANGE
CARDIFF



INTERIOR VIEW

THE work illustrated was executed to the designs of the late Edwin Seward, Esq., F.R.I.B.A., in 1911, and is in oak throughout. There are smaller rooms adjacent executed in a similar manner.



ATLANTIC FLOUR MILLS, CARDIFF

THESE Mills cover an area of 15,000 square feet, with a wharf frontage of 280 feet, and were designed by Messrs. Gelder and Kitchen, Hull, the principal of which firm is Sir W. A. Gelder.

The Silo is an exceedingly fine structure 130 feet in height and capable of holding 40,000 quarters of wheat.

The new Flour Mills, Warehouses and Provender Mills are six storeys in height, and are replete with every modern convenience.

MORGAN'S PREMISES, THE HAYES, CARDIFF

THESE premises were erected for the late David Morgan, Esq. (now David Morgan, Ltd.), to designs prepared by Messrs. James & Morgan, F.F.R.I.B.A., from 1891 to 1904.

The Arcade (entrance under clock) consists of a large number of lock-up shops and extends from The Hayes to St. Mary Street. The external dressings are in Bath, Portland and Forest of Dean Stone.

MORGAN ARCADE, CARDIFF

ST. MARY STREET FRONTAGE

THE Western end of the Arcade was erected in 1897, to the designs of the late Edwin Seward, Esq., F.R.I.B.A.

The Elevation is in Bathstone, Forest of Dean and Red St. Bees Sandstone.

MERTHYR HOUSE DOCKS, CARDIFF

THE Western End of this building was erected in 1918 to the designs of Henry Budgen, Esq., F.R.I.B.A., Cardiff.

The building is carried on cement concrete piers, carried down to the gravel at a depth of about 30 feet and surmounted by a concrete raft. The Elevations are in Corsham Down Bathstone. The building is used entirely for Offices.

THE CARDIFF EXCHANGE

THE part illustrated was erected in 1900 to the designs of the late Edwin Seward, Esq., F.R.I.B.A., for Banking Premises and Restaurant. The Elevation is in Corsham Down Bathstone.

NATIONAL PROVINCIAL BANK, CARDIFF DOCKS

THE new Cardiff premises for the National Provincial Bank is one of the finest buildings in Cardiff. If we exclude the world-famed public buildings in Cathays Park there is, in fact, nothing in the City to excel it for its conveyance of that sense of stability, combined with true art, that is the secret of great architecture. Indeed, it is no exaggeration to say that this new bank is worthy to be placed beside those public buildings. Standing, as it does, flush to two not very wide streets, one has difficulty in assessing it from an adequate perspective, but even so no one who looks at it for a moment with anything like an appreciation of genuine architecture can have any doubt that this is a building worthy of any bank, worthy of any city.

The Elevation to West Bute Street is almost precisely similar.

Undoubtedly it is one of the finest buildings of its kind in South Wales.

Some of the principal sub-contractors and merchants were Hampton's Heating Co. Ltd., heating and hot water supply; The Aberthaw & Bristol Channel Portland Cement Co., Ltd., cement; F. Bowles & Sons; D. Morgan & Sons; Perkins & Seward, Ltd.; Williams & Watson, Ltd.; Bristow, Wadley & Co., Ltd.; Walpamur Co., Ltd.; The British Luxfer Prism Syndicate, Ltd.; The Marbel Mosaic Co., Ltd.

NATIONAL PROVINCIAL BANK, CARDIFF DOCKS

(BUTE STREET FRONT)

EMPIRE THEATRE, CARDIFF

ON this site there have been three Theatres erected by us, each of them exceeding the former in beauty and magnitude. The last was reconstructed in 1915 on entirely modern lines.

The total seating accommodation is round about 2,500 and a special feature of the building as to seating is the spaciousness of the Stalls seating.

The Theatre is what is known as a three tier house, having the Stalls Area, Grand Circle Area, Upper Circle Area and Balcony.

The extreme width of the house is approximately 96 feet.

The house lends itself to segmental planning, each seat being directly facing the stage.

The Proscenium is 46 feet wide and the stage 42 feet deep.

The dressing room block is an entirely separate building shut off from the stage with special fire escape staircase in case of fire.

The approach to the house from Queen Street is particularly good and impressive, the double marble staircase giving a good approach to a very handsome waiting room leading to the Dress Circle, Offices for Management, Advance Booking, all placed in front of the building with easy access to the public.

When this Theatre was built the Architects were particularly anxious to make the decorations outstanding. Grecian Architecture was chosen and the whole of the decorations planned on these lines. The mouldings and applied ornament are of Greek character and the frieze is the well-known horse frieze from the Parthenon (Athens).

The colour scheme is restrained and lends itself to the style of architecture.

The Proscenium is surrounded with Greek Gipolino Marble and the Act Drop is a view of the Acropolis (Athens).

The front of the building is Portland Stone carried out in modern classic architecture with the shields of the County and the City in bronze placques.

The Architects are Messrs. William & T. R. Milburn, FF.R.I.B.A., Chartered Architects, Surveyors and Valuers, Sunderland.

EMPIRE THEATRE, CARDIFF

PRINCIPALITY BUILDINGS, CARDIFF

THESE Buildings, erected in 1914, occupy a splendid position in the centre of the principal Street in Cardiff and at the junction of Queen Street and Priory Street, a new Street formed when the buildings were erected and which leads directly to Cathays Park. It has frontages of 46 feet to Queen Street and approximately 200 feet to Priory Street.

The site was formerly occupied by St. John's Schools and was purchased by the Principality Building Society, who constructed the roadway and erected the building adjoining. This roadway is constructed in ferro concrete on the Hennebique system and the Basement of the Buildings extends under the whole width of the road in Priory Street.

The Buildings contain four floors in addition to the Basement. On the Ground Floor is placed the Society's Offices, and it also contains a Branch of Barclay's Bank and 8 shops. The three upper floors are divided into suites of well-arranged Offices, with Lavatories, Cloak Rooms, etc. In addition to three Staircases, all fireproof, a lift serves all the floors. The Basement floor is well lighted and contains Strong Rooms, Offices and Stores. The whole building is lighted by electricity and heated by radiators on the low-pressure system installed by Messrs. G. N. Haden & Sons, Ltd., of Trowbridge.

It is fireproof throughout, the floors and roof being carried by steel girders. The elevations are designed in the Renaissance Style and are faced with Ridge Park Bathstone, one of the features being the treatment of the awkward junction of the two Streets, at which is placed a handsome turret and clock tower.

The whole of the Contract including the construction of the ferro concrete roadway, wood block floors, and all the joinery in the Offices and Boardrooms of teak and mahogany, plumbing, painting &c., were carried out by us from the designs and under the superintendence of the Architects, Messrs. Habersohn and Fawckner, F.R.I.B.A., of High Street, Newport. The mosaic flooring is by The Marble Mosaic Co., Ltd.

PRINCIPALITY BUILDINGS, CARDIFF

CARDIFF CENTRAL FIRE STATION

THE competition for this building was held in the year 1912, the site being at the junction of Westgate Street and Quay Street, which was an old river bed, necessitating the pile foundations being carried down to a depth of 20 ft. At the time of the competition only one machine was mechanically driven, the remainder being hand or horse vehicles, but the plan was arranged to admit of complete mechanical equipment at a future date. The conditions of competition required the following accommodation to be incorporated :—

1. Engine room for 3 steamers, 1 manual and 2 reels.
2. Telephone call room and office.
3. Superintendent's Office and W.C.
4. Stores and Workshop with pit.
5. Six-stall stable, loose box and harness room.
6. Hose drying tower and look out.
7. Space for Prison Van and Ambulances.
8. Underground water tank.
9. Coal and wood stores.
10. Hand fire escape shed to be 20 ft. high.
11. Yard for fire drill and practise tower.
12. Reading room and lavatory.
13. Superintendent's Quarters.
14. Chief Engineer's Quarters.
15. Second Engineer's Quarters.
16. Accommodation for 16 married men and 3 single men.
17. Clothes drying room.
18. Perambulator store.

The plan of the engine room was arranged with through access for machines, so that engines returning from a fire could be brought in by the Quay Street entrance, washed and parked in their respective stations.

The reason for the great height of the engine room was due to the decision to house the fire escape, which was 20 ft. high, in this room; this enabled a simple plan to be obtained on the site, which obviated the provision of odd sheds in the drill yard, this being stipulated to be as large as possible. The whole of the residential floors are connected to the engine room by means of sliding poles.

The building is constructed of reinforced concrete, sand-faced bricks and Portland Stone; the main cornice is of deal, painted, and the top of the look out tower constructed of oak.

The Architect was E. Vincent Harris, Esq., F.R.I.B.A., London.

CARDIFF CENTRAL FIRE STATION

BIRCHWOOD GRANGE, PENYLAN, CARDIFF

(Residence of Sir William James Thomas, Bt.)

THE illustration shews extensive additions made to the residence of Sir William James Thomas, Baronet, in 1924, to the designs prepared by J. B. Fletcher, Esq., Cardiff.

The dressings are in Red St. Bees Stone and Portland Stone with Ruabon Brick facings.

Mosaic flooring is by The Marble Mosaic Co., Ltd., of Wade Street, St. Jude's, Bristol.

TY GWYN, LISVANE, NEAR CARDIFF

THIS building was erected in 1906 and is the residence of Jas. E. Turner, Esq., J.P., the senior partner of the firm.

The dressings of all Elevations are in Portland Stone and the finishings of all the principal rooms are generally in Austrian Wainscot Oak throughout.

It is situated about 250 feet above the sea level and commands extensive views of Cardiff and the Coast.

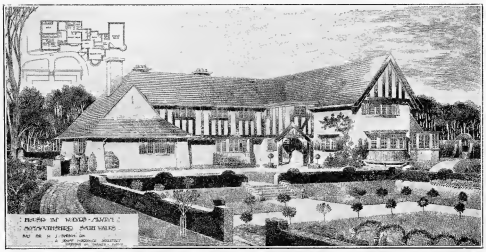
MESSRS. BELL & NICOLSON'S PREMISES
CARDIFF

THE right hand side of this building was erected in 1910 for a Junior Y.M.C.A. to the designs of Messrs. Speir & Bevan, Architects, Cardiff.

They were acquired in 1925 by Messrs. Bell & Nicholson Ltd., of Birmingham, for a Wholesale Drapery Establishment and extensive additions were made to the designs of Messrs. Ewen Harper Brother & Co., Birmingham.

The dressings are in Portland Stone with red brick facings. Mosaic flooring is by The Marble Mosaic Co., Ltd.

TREDEAN, WOLVESNEWTON, MONMOUTHSHIRE

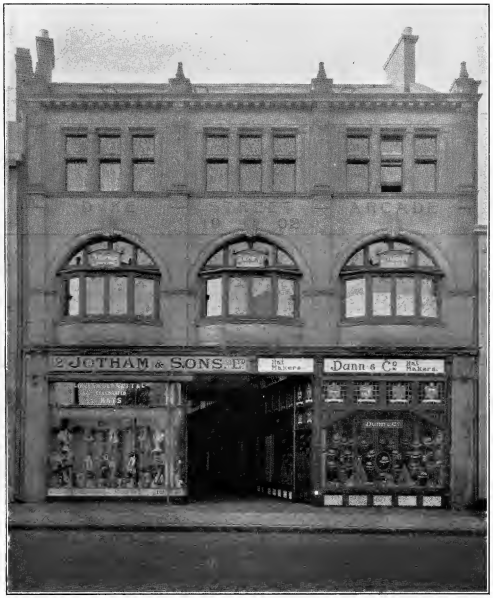


THIS Mansion was erected and estate laid out in 1902 to the designs of A. Jessop Hardwick, Esq., F.R.I.B.A., of Kingston-on-Thames, Surrey, for the late H. J. Simpson, Esq.

The buildings erected comprised large Garage, Lodge, Bailiff's House, Houses for Gamekeepers, &c., also Reservoir for Water Supply, Water Main, Carriage Drives, &c., &c.

The timber work to Mansion and Lodge is generally of oak throughout.

DUKE STREET ARCADE, CARDIFF



THIS building was erected in 1902, to the design of Messrs. Ware & Williams, Architects, Cardiff. The Front Elevation is in Grey Forest of Dean Stone. The Arcade consists of a number of lock-up shops with cellars, ground and first floors, and provides a connecting link from Duke Street to the already existing High Street Arcade.

ROATH PARK WESLEYAN CHURCH
CARDIFF

THIS building is constructed of Newbridge Stone facings and Bathstone dressings. The general arrangement is nave, transepts and side aisles, with a large choir, organ chamber and galleries.

The Clerestory is carried on stone columns.

The building generally has a very light appearance with plenty of window space, filled in with lead lights.

The sitting accommodation is about one thousand.

The Architects were Messrs. I. P. Jones, Richards & Budgen.

NEW PREMISES FOR THE METROPOLITAN BANK, LIMITED, SWANSEA

THE front Elevations are constructed of Portland Stone with granite plinth and buff bricks. The dome is also in Portland Stone.

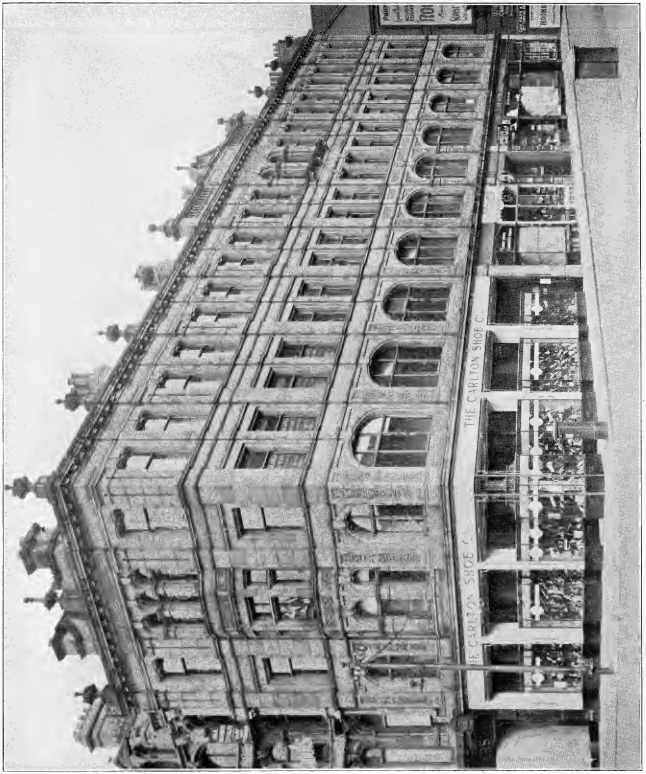
The Banking Hall is of spacious dimensions and fitted throughout in Mahogany.

The Architect was F. Adams Smith, Esq., F.R.I.B.A., London.

OFFICES OF MESSRS. JOHN CORY & SONS, LTD. MOUNT STUART SQUARE, CARDIFF

THIS building was designed by H. Tudor Thornley, Esq., of Cardiff, and was erected about thirty years ago.

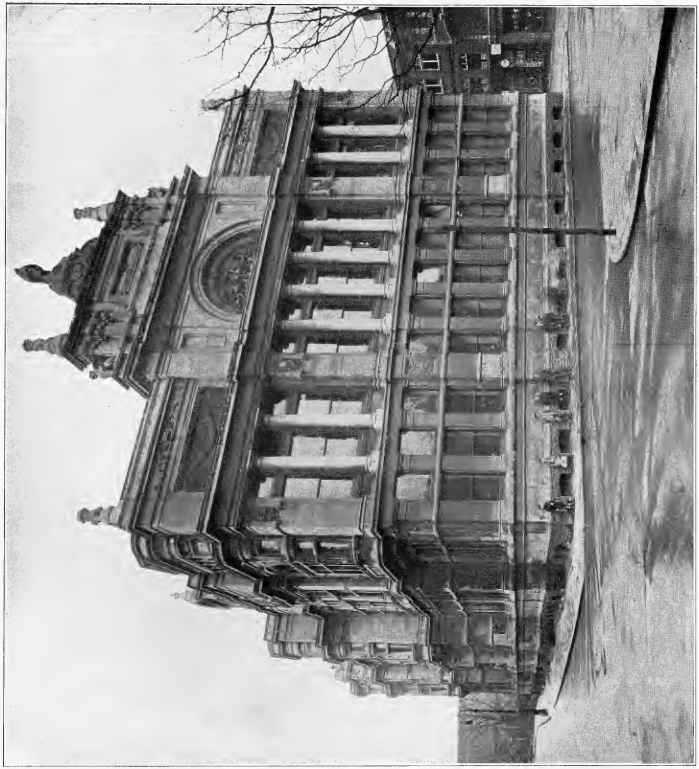
The Elevations are in Bathstone, and the internal fittings are chiefly of teak.



ROYAL BUILDINGS, QUEEN STREET, CARDIFF

THESE buildings are situated in the corner of Queen Street and Park Place and were designed by the late Henry Hartley, Esq., F.R.I.B.A., Liverpool.

The stone used is Grey Forest of Dean with polished granite entrances to the Offices.



CENTRAL FREE LIBRARY, CARDIFF

THIS building was designed by the late Messrs. Seward & Thomas and was opened in 1896 by King Edward VII, then Prince of Wales.
It is constructed of Bathstone principally, but the columns and finials are of Portland Stone.

ATLANTIC BUILDINGS, DOCKS, CARDIFF

THIS building which is used entirely as offices was designed by H. Tudor Thornley, Esq., Cardiff.

The front Elevation is in Bathstone throughout.

RESIDENCE OF THE LATE LORD BUCKLAND

THIS mansion has arisen on the ruins of the 18th-century house which was destroyed by fire, and is built of grey stone walling with Red Hollington Stone dressings.

It was built for the late I. P. W. Gwynne Holford, Esq., whose family had occupied the site for generations.

A feature of the house is the Great Hall 70 feet in length and proportionably wide, in which is a very wide handsome staircase constructed entirely of oak.

The Architect was the late Stephen Williams, Esq., F.R.I.B.A., of Rhayader.

Some of the other Contracts Executed by Messrs. E. Turner & Sons Ltd. which are not illustrated in this work:

Schweppes Factory, Cardiff.
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Young Men's Christian Association, Central Buildings, Cardiff.
Additions to Hewell Grange, Worcestershire, for the Earl of Plymouth.
Cardiff Sanatorium for the Cardiff Corporation.
Saltmead Council Schools, Cardiff.
Royal Infirmary—several Wards and Operating Theatres.
New Factory and Kitchens for Messrs. Thos. Stevens (Confectioners), Ltd.
Penylan Reservoir for the Cardiff Corporation.
Roath Outfall Sewer for the Cardiff Corporation.
Foundations for the Welsh National Museum, Cardiff.
Premises for the Wholesale Co-operative Society, Cardiff.
Additions to Parc Gwyllt Asylum, Bridgend.
Tea Warehouse for Messrs. Phillips & Co., Cardiff.
Garden Village Schemes at Pontypool and Gilfach Goch.
Alterations and Additions to various Banks for Messrs. Barclays Bank, Ltd.
Windsor Slipways for Messrs. Elliott & Jeffery, Cardiff.
Abergwili Palace, near Carmarthen, for The Lord Bishop of St. Davids.
Several Offices, Mount Stuart Square, Docks, Cardiff.
Cliffside, Penarth, for Sir Sven Hansen, Bart.
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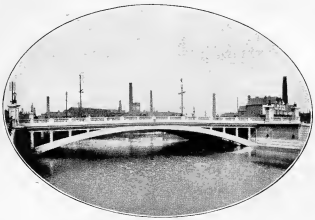
Extensive additions to Newport High Street Station for the Great Western Railway Company.
Mental Hospital at Swansea for the Swansea and Merthyr Corporation.
St. Patrick's Church, Grangetown, Cardiff, for The Most Rev. Francis Mostyn, D.D., Archbishop of Cardiff.
Extensive premises for Messrs. James Howell & Co., St. Mary Street, Cardiff.



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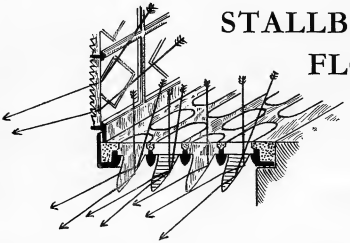

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